

Form PTO/SB/449

Docket Number (Optional)
019743.0261Application Number
08/976,294**INFORMATION DISCLOSURE CITATION
IN AN APPLICATION**

(Use several sheets if necessary)

Applicant
Westerlage, et al.Filing Date
November 21, 1997

Group Art Unit

U.S. PATENT DOCUMENTS

| EXAMINER INITIAL | DOCUMENT NUMBER | | | | | | | DATE | NAME | CLASS | SUBCLASS | FILING DATE IF APPROPRIATE |
|---------------------|-----------------|---|---|---|---|---|---|-------|-------------------------|-------|----------|-------------------------------|
| ERC | R | E | 3 | 4 | 0 | 3 | 4 | 08/92 | O'Sullivan | 379 | 59 | 09/29/89 |
| ERC | 3 | 5 | 1 | 8 | 6 | 7 | 4 | 06/70 | D. L. Moorehead, et al. | 343 | 112 | 02/13/69 |
| ERC | 3 | 6 | 8 | 0 | 1 | 2 | 1 | 07/72 | Anderson, et al. | 343 | 112 TC | 01/02/70 |
| ERC | 3 | 7 | 1 | 4 | 6 | 5 | 0 | 01/73 | Fuller, et al. | 343 | 6.5 LC | 07/30/70 |
| ERC | 3 | 7 | 5 | 7 | 2 | 9 | 0 | 09/73 | Ross, et al. | 340 | 23 | 03/12/71 |
| ERC | 3 | 7 | 8 | 9 | 4 | 0 | 9 | 01/74 | Easton | 343 | 112 R | 10/08/70 |
| ERC | 3 | 8 | 4 | 8 | 2 | 5 | 4 | 11/74 | Drebingner, et al. | 343 | 112 R | 06/14/72 |
| ERC | 3 | 9 | 0 | 6 | 1 | 6 | 6 | 09/75 | Cooper, et al. | 179 | 41 A | 10/17/73 |
| ERC | 4 | 0 | 5 | 3 | 8 | 9 | 3 | 10/77 | Boyer | 343 | 112 PT | 11/18/75 |
| ERC | 4 | 0 | 6 | 7 | 0 | 6 | 1 | 01/78 | Juhasz | 364 | 900 | 03/18/75 |
| ERC | 4 | 0 | 8 | 3 | 0 | 0 | 3 | 04/78 | Haemming | 325 | 6 | 04/08/76 |

FOREIGN PATENT DOCUMENTS

| | DOCUMENT NUMBER | | | | | | | DATE | COUNTRY | CLASS | SUBCLASS | Translation | |
|-----|-----------------|---|---|---|---|---|---|-------|---------------------|----------|----------|-------------|----|
| | | | | | | | | | | | | YES | NO |
| ERC | 0 | 1 | 6 | 1 | 9 | 4 | 1 | 09/84 | Japan | A1845720 | | | X |
| ERC | 3 | 5 | 1 | 6 | 3 | 5 | 7 | 11/86 | Republic of Germany | A1849956 | 0845100 | X | |
| ERC | 0 | 2 | 4 | 2 | 0 | 9 | 9 | 10/87 | EPQ | 0018376 | 0842300 | X | |
| ERC | 2 | 1 | 9 | 3 | 8 | 6 | 1 | 02/88 | United Kingdom | A1849956 | | X | |
| ERC | 0 | 1 | 7 | 5 | 5 | 3 | 7 | 07/88 | Japan | A1849956 | A1849956 | X | |

OTHER DOCUMENTS (Including Author, Title, Date, Pertinent Pages, Etc.)

| | | |
|-----|---|---|
| ERC | - | "TRIMPACK" Brochure, TrimbleNavigation, date unknown, 1 page. |
| ERC | - | Gary D. Ott, "Vehicle Location in Cellular Mobile Radio Systems," <i>IEEE</i> , Vol. VT-26, No. 1, February, 1977, pp. 43-46. |
| ERC | - | James C. Reynolds, et al., "GPS-Based Vessel Position Monitoring and Display System," <i>IEEE</i> , 1990, pp. 601-607. |

EXAMINER

Cosimano, E.

DATE CONSIDERED

7-20-98

EXAMINER: Initial if citation considered, whether or not citation is in conformance with MPEP § 609. Draw line through citation if not in conformance and not considered. Include copy of this form with next communication to the applicant.



| | | |
|---|---|----------------------------------|
| INFORMATION DISCLOSURE CITATION IN AN APPLICATION (Use several sheets if necessary) | Docket Number (Optional) 019743.0261 | Application Number 08/976,294 |
| | Applicant Westerlage, et al. | |
| | Filing Date November 21, 1997 | Group Art Unit |

U.S. PATENT DOCUMENTS

| EXAMINER INITIAL | DOCUMENT NUMBER | DATE | NAME | CLASS | SUBCLASS | FILING DATE IF APPROPRIATE |
|---------------------|-----------------|-------|------------------|-------|----------|-------------------------------|
| ERC | 4 1 0 7 6 8 9 | 08/78 | Jelinek | 343 | 23 | 06/07/76 |
| ERC | 4 1 5 2 6 9 3 | 05/79 | Ashworth, Jr. | 340 | 24 | 04/25/77 |
| ERC | 4 1 7 7 4 6 6 | 12/79 | Reagan | 343 | 112 TC | 11/16/77 |
| ERC | 4 2 2 2 0 5 2 | 09/80 | Dunn | 343 | 112 R | 12/15/77 |
| ERC | 4 2 5 8 4 2 1 | 03/81 | Juhasz, et al. | 364 | 424 | 03/14/79 |
| ERC | 4 3 0 3 8 5 0 | 12/81 | Juhasz, et al. | 235 | 92 | 03/14/79 |
| ERC | 4 3 0 7 4 5 5 | 12/81 | Juhasz, et al. | 364 | 900 | 03/14/79 |
| ERC | 4 4 2 8 0 5 2 | 01/84 | Robinson, et al. | 364 | 436 | 06/09/81 |
| ERC | 4 4 2 8 0 5 7 | 01/84 | Setliff, et al. | 364 | 521 | 06/09/81 |
| ERC | 4 4 3 5 7 1 1 | 03/84 | Ho, et al. | 343 | 389 | 09/15/80 |
| ERC | 4 4 4 5 1 1 8 | 04/84 | Taylor, et al. | 343 | 357 | 05/22/81 |

FOREIGN PATENT DOCUMENTS

| | DOCUMENT NUMBER | DATE | COUNTRY | CLASS | SUBCLASS | Translation | |
|-----|-----------------|-------|---------|----------|----------|-------------|----|
| | | | | | | YES | NO |
| ERC | 0 2 1 9 2 3 8 | 09/88 | Japan | 44040720 | | | X |
| ERC | 0 2 9 0 7 2 5 | 11/88 | EPO | 44040720 | | X | |
| ERC | 8 9 0 4 0 3 5 | 05/89 | PCT | 44040720 | | X | |
| ERC | 0 2 2 6 2 2 6 | 09/89 | Japan | 44040720 | | | X |
| ERC | 8 9 1 2 8 3 5 | 12/89 | PCT | 44040720 | | X | |

OTHER DOCUMENTS (Including Author, Title, Date, Pertinent Pages, Etc.)

| | | |
|-----|---|--|
| ERC | - | R. DeSadaba, "Personal Communications in the Intelligent Network," <i>British Telecommunications Engineering</i> , Vol. 9, August, 1990, pp. 80-83. |
| ERC | - | "GPS NAVSTAR Global Positioning System User's Overview - YEE-82-009D," <i>Navstar Global Positioning System Joint Program Office</i> , March, 1991, pp. 1-164. |
| ERC | - | "U.S. Coast Guard Differential GPS" Brochure, <i>U.S. Department of Transportation, United States Coast Guard</i> , May, 1993. |

| | |
|---------------------------------|-----------------------------------|
| EXAMINER <i>Cosimano, E.</i> | DATE CONSIDERED <i>7-20-98</i> |
|---------------------------------|-----------------------------------|

EXAMINER: Initial if citation considered, whether or not citation is in conformance with MPEP § 609. Draw line through citation if not in conformance and not considered. Include copy of this form with next communication to the applicant.



| | | |
|--|---|----------------------------------|
| Form PTO 1449 | Docket Number (Optional) 019743.0261 | Application Number 08/976,294 |
| INFORMATION DISCLOSURE CITATION IN AN APPLICATION | | |
| Applicant Westerlage, et al. | | |
| Filing Date November 21, 1997 | | Group Art Unit |

(Use several sheets if necessary)

U.S. PATENT DOCUMENTS

| EXAMINER INITIAL | DOCUMENT NUMBER | DATE | NAME | CLASS | SUBCLASS | FILING DATE IF APPROPRIATE |
|---------------------|-----------------|-------|------------------|-------|----------|-------------------------------|
| ERC | 4 5 4 7 7 7 8 | 10/85 | Hinkle, et al. | 343 | 456 | 06/09/81 |
| ERC | 4 5 9 0 5 6 9 | 05/86 | Rogoff, et al. | 364 | 452 | 10/14/83 |
| ERC | 4 6 4 4 3 5 1 | 02/87 | Zabarsky, et al. | 340 | 825.44 | 05/08/84 |
| ERC | 4 6 5 1 1 5 7 | 03/87 | Gray, et al. | 342 | 457 | 05/07/85 |
| ERC | 4 6 5 4 8 7 9 | 03/87 | Goldman, et al. | 455 | 33 | 03/29/85 |
| ERC | 4 6 6 0 0 3 7 | 04/87 | Nakamura | 340 | 990 | 01/26/83 |
| ERC | 4 6 7 0 9 0 5 | 06/87 | Sandvos, et al. | 455 | 33 | 11/29/85 |
| ERC | 4 6 8 8 2 4 4 | 08/87 | Hannon, et al. | 379 | 58 | 11/10/86 |
| ERC | 4 7 0 0 3 7 4 | 10/87 | Bini | 379 | 60 | 06/21/85 |
| ERC | 4 7 3 4 9 2 8 | 03/88 | Weiner, et al. | 379 | 59 | 03/18/87 |
| ERC | 4 7 3 7 9 7 8 | 04/88 | Burke, et al. | 379 | 60 | 10/31/86 |

FOREIGN PATENT DOCUMENTS

| | DOCUMENT NUMBER | DATE | COUNTRY | CLASS | SUBCLASS | Translation | |
|-----|-----------------|-------|----------------|-----------|-----------|-------------|----|
| | | | | | | YES | NO |
| ERC | 0 3 6 7 9 3 5 | 05/90 | EPO | 74040004 | | X | |
| ERC | 2 2 2 1 1 1 3 | 01/93 | United Kingdom | 0615300 | | X | |
| ERC | 3 7 6 7 5 8 9 | 02/93 | Australia | 507300302 | 008000422 | X | |
| | | | | | | | |
| | | | | | | | |

OTHER DOCUMENTS (Including Author, Title, Date, Pertinent Pages, Etc.)

| | | |
|-----|---|---|
| ERC | - | "GPS Facts & Figures" Brochure, U.S. Department of Transportation, United States Coast Guard, May, 1993. |
| ERC | - | D. H. Alsip, et al., "Implementation of the U.S. Coast Guard's Differential GPS Navigation Service," U.S. Coast Guard Headquarters, Office of Navigation Safety and Waterway Services, Radionavigation Division, June 28, 1993, pp. 1-10. |
| ERC | + | "Motorola GPS Technical Reference Manual," Motorola, October, 1993, Manual Cover, Title Page, and Pages 4-109. |

| | |
|-----------------------------|--------------------------------|
| EXAMINER Cosimano, E | DATE CONSIDERED 7-20-98 |
|-----------------------------|--------------------------------|

EXAMINER: Initial if citation considered, whether or not citation is in conformance with MPEP § 609. Draw line through citation if not in conformance and not considered. Include copy of this form with next communication to the applicant.



| | | |
|--|---|----------------------------------|
| Form PTO | Docket Number (Optional) 019743.0261 | Application Number 08/976,294 |
| INFORMATION DISCLOSURE CITATION IN AN APPLICATION <i>(Use several sheets if necessary)</i> | Applicant Westerlage, et al. | |
| | Filing Date November 21, 1997 | Group Art Unit |

U.S. PATENT DOCUMENTS

| EXAMINER INITIAL | DOCUMENT NUMBER | DATE | NAME | CLASS | SUBCLASS | FILING DATE IF APPROPRIATE |
|---------------------|-----------------|-------|--------------------|-------|----------|-------------------------------|
| ERC | 4 7 4 0 7 9 2 | 04/88 | Sagey, et al. | 342 | 457 | 08/27/86 |
| ERC | 4 7 4 2 3 5 7 | 05/88 | Rackley | 342 | 457 | 09/17/86 |
| ERC | 4 7 5 0 1 9 7 | 06/88 | Denekamp, et al. | 379 | 58 | 07/02/87 |
| ERC | 4 7 5 4 4 6 5 | 06/88 | Trimble | 375 | 1 | 05/07/84 |
| ERC | 4 7 7 4 6 7 0 | 09/88 | Palmjeri | 364 | 446 | 04/29/85 |
| ERC | 4 7 7 5 9 9 9 | 10/88 | Williams | 379 | 59 | 12/07/87 |
| ERC | 4 7 7 6 0 0 3 | 10/88 | Harris | 379 | 91 | 10/01/86 |
| ERC | 4 7 8 8 6 3 7 | 11/88 | Tamaru | 364 | 200 | 09/29/86 |
| ERC | 4 7 9 1 5 7 1 | 12/88 | Takahashi, et al. | 364 | 436 | 10/08/86 |
| ERC | 4 7 9 1 5 7 2 | 12/88 | Green, III, et al. | 364 | 449 | 11/20/85 |
| ERC | 4 7 9 6 1 8 9 | 01/89 | Nakayama, et al. | 364 | 449 | 03/19/86 |

FOREIGN PATENT DOCUMENTS

| | DOCUMENT NUMBER | DATE | COUNTRY | CLASS | SUBCLASS | Translation | |
|--|-----------------|------|---------|-------|----------|-------------|----|
| | | | | | | YES | NO |
| | | | | | | | |
| | | | | | | | |
| | | | | | | | |
| | | | | | | | |
| | | | | | | | |
| | | | | | | | |
| | | | | | | | |
| | | | | | | | |

OTHER DOCUMENTS (Including Author, Title, Date, Pertinent Pages, Etc.)

| | | |
|-----|---|--|
| ERC | - | Don Burtis, "CDPD--A Bandwidth Optimization Technique for Cellular Telephones," <i>Computer Design's OEM Integration</i> , May, 1994, pp. 19-20. |
| ERC | - | "U.S. Coast Guard Bulletin Board System File 'FRP-DGPS,'" <i>U.S. Coast Guard</i> , Date Unknown, pp. 1-6. |
| ERC | - | Gene L. Schlechte, LCDR, "U.S. Coast Guard Bulletin Board System Document 'DESIGN.TXT' - Design Process for the United States Coast Guard's Differential GPS Navigation Service," <i>U.S. Coast Guard, U.S. Coast Guard Omega Navigation System Center</i> , Date Unknown, pp. 1-21. |

| | |
|-------------------------------------|---------------------------------------|
| EXAMINER <i>Cosimano, E.</i> | DATE CONSIDERED <i>7-20-98</i> |
|-------------------------------------|---------------------------------------|

EXAMINER: Initial if citation considered, whether or not citation is in conformance with MPEP § 609. Draw line through citation if not in conformance and not considered. Include copy of this form with next communication to the applicant.



| | | |
|---|---|----------------------------------|
| Form PTO/SB/08 (2-92) INFORMATION DISCLOSURE CITATION IN AN APPLICATION <i>(Use several sheets if necessary)</i> | Docket Number (Optional) 019743.0261 | Application Number 08/976,294 |
| Applicant Westerlage, et al. | | |
| Filing Date November 21, 1997 | | Group Art Unit |

U.S. PATENT DOCUMENTS

| EXAMINER INITIAL | DOCUMENT NUMBER | DATE | NAME | CLASS | SUBCLASS | FILING DATE IF APPROPRIATE |
|---------------------|-----------------|-------|--------------------|-------|----------|-------------------------------|
| ERC | 4 8 7 6 7 3 8 | 10/89 | Selby | 466 | 33 | 09/16/87 |
| ERC | 4 8 8 4 2 0 8 | 11/89 | Marinelli, et al. | 364 | 460 | 05/16/88 |
| ERC | 4 8 9 1 6 5 0 | 01/90 | Sheffer | 342 | 457 | 05/16/88 |
| ERC | 4 8 9 1 7 6 1 | 01/90 | Gray, et al. | 364 | 452 | 03/31/88 |
| ERC | 4 8 9 7 6 4 2 | 01/90 | DiLullo, et al. | 340 | 825.060 | 10/14/88 |
| ERC | 4 9 0 1 3 4 0 | 02/90 | Parker, et al. | 379 | 60 | 09/19/88 |
| ERC | 4 9 0 5 2 7 0 | 02/90 | Ono | 379 | 58 | 12/14/88 |
| ERC | 4 9 0 7 2 9 0 | 03/90 | Cròmpton | 455 | 56 | 05/13/88 |
| ERC | 4 9 0 8 6 2 9 | 03/90 | Apsell, et al. | 342 | 457 | 12/05/88 |
| ERC | 4 9 1 2 7 5 6 | 03/90 | Hop | 379 | 60 | 04/07/89 |
| ERC | 4 9 1 4 6 8 6 | 04/90 | Hagar, III, et al. | 379 | 61 | 11/28/86 |

FOREIGN PATENT DOCUMENTS

| DOCUMENT NUMBER | DATE | COUNTRY | CLASS | SUBCLASS | Translation | |
|-----------------|------|---------|-------|----------|-------------|----|
| | | | | | YES | NO |
| | | | | | | |
| | | | | | | |
| | | | | | | |
| | | | | | | |
| | | | | | | |
| | | | | | | |
| | | | | | | |
| | | | | | | |
| | | | | | | |

OTHER DOCUMENTS (Including Author, Title, Date, Pertinent Pages, Etc.)

| | | |
|--|--|--|
| | | |
| | | |
| | | |
| | | |
| | | |

| | |
|---------------------------------|-----------------------------------|
| EXAMINER <i>Cosimano, E.</i> | DATE CONSIDERED <i>7-20-98</i> |
|---------------------------------|-----------------------------------|

EXAMINER: Initial if citation considered, whether or not citation is in conformance with MPEP § 609. Draw line through citation if not in conformance and not considered. Include copy of this form with next communication to the applicant.

DAL01A:350139.1



| | | |
|--|---|----------------------------------|
| Form PTO-1449 | Docket Number (Optional) 019743.0261 | Application Number 08/975,294 |
| INFORMATION DISCLOSURE CITATION IN AN APPLICATION | | |
| (Use several sheets if necessary) | | |
| Applicant Westerlage, et al. | | Group Art Unit |
| Filing Date November 21, 1997 | | |

U.S. PATENT DOCUMENTS

| EXAMINER INITIAL | DOCUMENT NUMBER | DATE | NAME | CLASS | SUBCLASS | FILING DATE IF APPROPRIATE |
|---------------------|-----------------|-------|-----------------|-------|----------|-------------------------------|
| ERC | 5 0 4 3 7 3 6 | 08/91 | Darnell, et al. | 342 | 357 | 07/27/90 |
| ERC | 5 0 4 5 8 6 1 | 09/91 | Duffett-Smith | 342 | 457 | 07/28/88 |
| ERC | 5 0 4 6 0 8 2 | 09/91 | Zicker, et al. | 379 | 59 | 05/02/90 |
| ERC | 5 0 5 5 8 5 1 | 10/91 | Sheffer* | 342 | 457 | 11/29/89 |
| ERC | 5 0 5 8 2 0 1 | 10/91 | Ishii, et al. | 455 | 33 | 05/24/89 |
| ERC | 5 0 6 8 6 5 6 | 11/91 | Sutherland | 340 | 989 | 12/21/90 |
| ERC | 5 0 9 0 0 5 0 | 02/92 | Heffernan | 379 | 60 | 04/30/91 |
| ERC | 5 1 0 1 5 0 0 | 03/92 | Marui | 455 | 33 | 05/26/89 |
| ERC | 5 1 1 9 1 0 2 | 06/92 | Barnard | 342 | 357 | 01/23/91 |
| ERC | 5 1 2 1 1 2 6 | 06/92 | Clagett | 342 | 419 | 03/12/91 |
| ERC | 5 1 2 1 3 2 5 | 06/92 | DeJonge | 364 | 442 | 07/03/91 |

FOREIGN PATENT DOCUMENTS

| DOCUMENT NUMBER | DATE | COUNTRY | CLASS | SUBCLASS | Translation | |
|-----------------|------|---------|-------|----------|-------------|----|
| | | | | | YES | NO |
| | | | | | | |
| | | | | | | |
| | | | | | | |
| | | | | | | |
| | | | | | | |
| | | | | | | |
| | | | | | | |
| | | | | | | |

OTHER DOCUMENTS (Including Author, Title, Date, Pertinent Pages, Etc.)

| | |
|--|--|
| | |
| | |
| | |
| | |
| | |
| | |
| | |
| | |
| | |
| | |

| | |
|---|-----------------------------------|
| EXAMINER <i>Cosimano, E.</i> | DATE CONSIDERED <i>7-20-98</i> |
| EXAMINER: Initial if citation considered, whether or not citation is in conformance with MPEP § 609. Draw line through citation if not in conformance and not considered. Include copy of this form with next communication to the applicant. | |



| | | |
|--|---|----------------------------------|
| Form PTO/SB/08 | Docket Number (Optional) 019743.0261 | Application Number 08/976,294 |
| INFORMATION DISCLOSURE CITATION IN AN APPLICATION | | |
| (Use several sheets if necessary) | | |
| Applicant Westerlage, et al. | | Group Art Unit |
| Filing Date November 21, 1997 | | |

U.S. PATENT DOCUMENTS

| EXAMINER INITIAL | DOCUMENT NUMBER | DATE | NAME | CLASS | SUBCLASS | FILING DATE IF APPROPRIATE |
|---------------------|-----------------|-------|-----------------------|-------|----------|-------------------------------|
| ERC | 5 1 3 1 0 1 9 | 07/92 | Sheffer, et al. | 379 | 39 | 03/21/90 |
| ERC | 5 1 3 1 0 2 0 | 07/92 | Liebesny, et al. | 379 | 59 | 12/29/89 |
| ERC | 5 1 4 2 2 8 1 | 08/92 | Park | 340 | 991 | 01/31/90 |
| ERC | 5 1 4 2 6 5 4 | 08/92 | Sonberg, et al. | 379 | 59 | 08/09/90 |
| ERC | 5 1 5 5 4 9 0 | 10/92 | Spradley, Jr., et al. | 342 | 357 | 10/15/90 |
| ERC | 5 1 5 5 8 4 7 | 10/92 | Kirouac, et al. | 395 | 600 | 08/03/88 |
| ERC | 5 1 5 9 6 2 5 | 10/92 | Zicker | 379 | 59 | 10/24/90 |
| ERC | 5 1 6 6 6 9 4 | 11/92 | Russell, et al. | 342 | 457 | 01/23/91 |
| ERC | 5 1 7 2 3 2 1 | 12/92 | Ghaem, et al. | 364 | 444 | 12/10/90 |
| ERC | 5 2 6 8 1 5 6 | 05/93 | Song | 364 | 449 | 01/28/91 |
| ERC | 5 2 2 3 8 4 4 | 06/93 | Mansell, et al. | 342 | 357 | 04/17/92 |

FOREIGN PATENT DOCUMENTS

| DOCUMENT NUMBER | DATE | COUNTRY | CLASS | SUBCLASS | Translation | |
|-----------------|------|---------|-------|----------|-------------|----|
| | | | | | YES | NO |
| | | | | | | |
| | | | | | | |
| | | | | | | |
| | | | | | | |
| | | | | | | |
| | | | | | | |
| | | | | | | |
| | | | | | | |
| | | | | | | |

OTHER DOCUMENTS (Including Author, Title, Date, Pertinent Pages, Etc.)

| | |
|--|--|
| | |
| | |
| | |
| | |
| | |
| | |

| | |
|---|-----------------------------------|
| EXAMINER <i>Cosimano, E.</i> | DATE CONSIDERED <i>7-20-98</i> |
| EXAMINER: Initial if citation considered, whether or not citation is in conformance with MPEP § 609. Draw line through citation if not in conformance and not considered. Include copy of this form with next communication to the applicant. | |



| | | |
|---|---|----------------------------------|
| Form PTO-1449 | Docket Number (Optional) 091743.0261 | Application Number 08/976,294 |
| INFORMATION DISCLOSURE CITATION IN AN APPLICATION (Use several sheets if necessary) | Applicant Westerlage, et al. | |
| | Filing Date November 21, 1997 | Group Art Unit |

U.S. PATENT DOCUMENTS

| EXAMINER INITIAL | DOCUMENT NUMBER | | | | | | | DATE | NAME | CLASS | SUBCLASS | FILING DATE IF APPROPRIATE |
|---------------------|-----------------|---|---|---|---|---|---|-------|-------------------------|-------|----------|-------------------------------|
| ERC | 5 | 2 | 2 | 5 | 8 | 4 | 2 | 07/93 | Brown, et al. | 342 | 357 | 05/09/91 |
| ERC | 5 | 2 | 3 | 5 | 6 | 3 | 3 | 08/93 | Dennison, et al. | 379 | 60 | 12/26/91 |
| ERC | 5 | 2 | 3 | 7 | 6 | 1 | 2 | 08/93 | Raith | 380 | 23 | 03/29/91 |
| ERC | 5 | 2 | 4 | 3 | 5 | 2 | 9 | 09/93 | Kashiwazaki | 364 | 449 | 06/29/92 |
| ERC | 5 | 2 | 4 | 7 | 5 | 6 | 4 | 09/93 | Zicker | 379 | 40 | 10/24/90 |
| ERC | 5 | 2 | 5 | 2 | 9 | 8 | 2 | 10/93 | Frei | 342 | 357 | 08/07/91 |
| ERC | 5 | 2 | 6 | 1 | 1 | 1 | 8 | 11/93 | Vanderspool, II, et al. | 455 | 51.2 | 10/04/91 |
| ERM | 5 | 2 | 7 | 0 | 9 | 3 | 6 | 12/93 | Fukushima, et al. | 364 | 444 | 09/23/92 |
| ERC | 5 | 2 | 7 | 6 | 7 | 2 | 9 | 01/94 | Higuchi, et al. | 379 | 58 | 07/14/92 |
| ERC | 5 | 2 | 9 | 3 | 1 | 6 | 3 | 03/94 | Kakihara, et al. | 340 | 995 | 08/18/93 |
| ERC | 5 | 2 | 9 | 7 | 1 | 9 | 1 | 03/94 | Gerszberg | 379 | 59 | 06/03/93 |

FOREIGN PATENT DOCUMENTS

| | DOCUMENT NUMBER | | | | | | | DATE | COUNTRY | CLASS | SUBCLASS | Translation | |
|--|-----------------|--|--|--|--|--|--|------|---------|-------|----------|-------------|----|
| | | | | | | | | | | | | YES | NO |
| | | | | | | | | | | | | | |
| | | | | | | | | | | | | | |
| | | | | | | | | | | | | | |
| | | | | | | | | | | | | | |
| | | | | | | | | | | | | | |
| | | | | | | | | | | | | | |
| | | | | | | | | | | | | | |

OTHER DOCUMENTS (Including Author, Title, Date, Pertinent Pages, Etc.)

| | | | | | | | | | | | | | |
|--|--|--|--|--|--|--|--|--|--|--|--|--|--|
| | | | | | | | | | | | | | |
| | | | | | | | | | | | | | |
| | | | | | | | | | | | | | |
| | | | | | | | | | | | | | |
| | | | | | | | | | | | | | |

| | |
|-------------------------------------|---------------------------------------|
| EXAMINER <i>Cosimano, E.</i> | DATE CONSIDERED <i>7-20-98</i> |
|-------------------------------------|---------------------------------------|

EXAMINER: Initial if citation considered, whether or not citation is in conformance with MPEP § 609. Draw line through citation if not in conformance and not considered. Include copy of this form with next communication to the applicant.



| | | |
|---|---|----------------------------------|
| Form PTO-1449 | Docket Number (Optional) 019743.0261 | Application Number 08/976,294 |
| INFORMATION DISCLOSURE CITATION IN AN APPLICATION (Use several sheets if necessary) | Applicant Westerlage, et al. | |
| | Filing Date November 21, 1997 | Group Art Unit |

| U.S. PATENT DOCUMENTS | | | | | | | | | | | | |
|-----------------------|-----------------|---|---|---|---|---|---|-------|-----------------|-------|----------|-------------------------------|
| EXAMINER INITIAL | DOCUMENT NUMBER | | | | | | | DATE | NAME | CLASS | SUBCLASS | FILING DATE IF APPROPRIATE |
| ERC | 5 | 2 | 9 | 7 | 1 | 9 | 2 | 03/94 | Gerszberg | 379 | 59 | 06/30/93 |
| ERC | 5 | 2 | 9 | 9 | 1 | 3 | 2 | 03/94 | Wortham | 364 | 460 | 07/28/92 |
| ERC | 5 | 3 | 1 | 1 | 1 | 9 | 4 | 05/94 | Brown | 342 | 357 | 09/15/92 |
| ERC | 5 | 3 | 2 | 3 | 3 | 2 | 2 | 06/94 | Mueller, et al. | 364 | 449 | 03/05/92 |
| ERC | 5 | 3 | 5 | 9 | 5 | 2 | 8 | 10/94 | Haendel, et al. | 364 | 424.04 | 02/19/93 |
| ERC | 5 | 3 | 6 | 5 | 5 | 1 | 6 | 11/94 | Jandrell | 370 | 18 | 08/16/91 |
| ERC | 5 | 3 | 9 | 2 | 4 | 5 | 8 | 02/95 | Sasuta, et al. | 455 | 54.1 | 04/28/93 |
| ERC | 5 | 3 | 9 | 6 | 5 | 4 | 0 | 03/95 | Gogch | 379 | 59 | 04/22/94 |
| | | | | | | | | | | | | |
| | | | | | | | | | | | | |
| | | | | | | | | | | | | |

| FOREIGN PATENT DOCUMENTS | | | | | | | | | | | | | |
|--------------------------|-----------------|--|--|--|--|--|--|------|---------|-------|----------|-------------|----|
| | DOCUMENT NUMBER | | | | | | | DATE | COUNTRY | CLASS | SUBCLASS | Translation | |
| | | | | | | | | | | | | YES | NO |
| | | | | | | | | | | | | | |
| | | | | | | | | | | | | | |
| | | | | | | | | | | | | | |
| | | | | | | | | | | | | | |
| | | | | | | | | | | | | | |
| | | | | | | | | | | | | | |

| OTHER DOCUMENTS (Including Author, Title, Date, Pertinent Pages, Etc.) | | | | | | | | | |
|--|--|--|--|--|--|--|--|--|--|
| | | | | | | | | | |
| | | | | | | | | | |
| | | | | | | | | | |
| | | | | | | | | | |
| | | | | | | | | | |

| | |
|---|---------------------------------------|
| EXAMINER <i>Cosimano, E.</i> | DATE CONSIDERED <i>7-20-98</i> |
| EXAMINER: Initial if citation considered, whether or not citation is in conformance with MPEP § 609. Draw line through citation if not in conformance and not considered. Include copy of this form with next communication to the applicant. | |